



SPECIALIZED COURSE
**INTEGRATED SAFETY:
FROM IDEA TO PILOT
INSTALLATION**

.....
25 - 27 March 2024



essenscia and the essenscia Process Safety Academy launch a Specialized Course '**Integrated Safety: from idea to pilot installation**'. This 3-day Doctoral School in collaboration with Ghent University offers PhD students, postdocs and professionals from the industry an integrated approach, from process safety at lab-scale towards pilot plant production at industrial-scale. For additional information concerning these topics please feel free to contact Mr. Geert Boogaerts, director Safety & Sustainability at essenscia (+32 476 906 663 | gboogaerts@essenscia.be)

Program

The essenscia Process Safety Academy aims, with this Doctoral School, in collaboration with Ghent University, to provide professionals with safety concepts that are essential for their career development and the safety of their operations. The 3-day Specialized Course on 'Integrated Safety: from idea to pilot installation' focuses on chemical safety in laboratories and the scale-up of chemical experiments towards pilot plants and industrial-scale pilot installations for real-life production. The target audience includes PhD students, postdocs, process safety professionals, R&D specialists and those responsible for the safety of start-up activities and pilot installations. The lectures are taught by specialists in their discipline.

- ✓ The first day starts with a theoretical explanation of intrinsic chemical hazards and risks at lab-scale, including the relevant research aspects on the REACH regulation to ensure life cycle safety.
- ✓ The second day focuses on the reaction chemistry of a state of the art pilot plant, with a particular emphasis on the upmost important aspects on safety of pilot plants and their influences on the final upscaling.
- ✓ The third day treats road maps for chemical process innovation in an incubator towards real-life realisations.

The academic coordination will be supervised by Prof. Dr. ir. **Paul Van Steenberge** (Laboratory of Chemical Technology, EA11, UGent).

Governance board

The Governance Board is the industrial sounding board of the essenscia Process Safety Academy. The Board consists of business leaders and safety experts from international companies in the chemical and life sciences industry. This advisory board determines the strategic goals of the Process Safety Academy's programme and ensures that the workshops and training courses are optimally tailored to the current needs and requirements of the process industry. In addition, the Board monitors the funding and financial management of the Process Safety Academy.

Governance board and steering committee

- ✓ **MSc. Ivan Pelgrims**,
President Process Safety Academy, Director, Evonik
- ✓ **MSc. Koen Colpaert**,
HSE Group Process Safety Manager, Borealis
- ✓ **MSc. Benny Ghoos**, Senior Operations Support Manager,
Johnson & Johnson
- ✓ **MSc. Nico Hertoghe**,
ExxonMobil Research & Engineering
- ✓ **Phd. MSc. Pol Hoorelbeke**, Vice president Safety, Total
- ✓ **MSc. Marnix Mahieu**, Managing Director, Kronos
- ✓ **MSc. Inge Van Der Meeren**,
AMPP Plant Manager ExxonMobil
- ✓ **MSc. Frank Quaeys**,
Head of Technical Services, Covestro
- ✓ **MSc. Stephen McGrady**, EHS BL Director – GSK UK
- ✓ **MSc. Geert Vercruyssen**, Process Safety Expert, BASF
- ✓ **MSc. Jan Weckx**,
Antwerp Process Safety Lead, Bayer Agriculture
- ✓ **MSc. Filip De Proft**, EHS director Campus Belgium,
Johnson & Johnson Innovative Medicine
- ✓ **MSc. Kris Deboutte**, Global SHE Manager, Ineos
- ✓ **MSc. Gunther Van Cauwenberge**, Managing Director
Lanxess Performance Materials JV Envalior
- ✓ **MSc. Ignace Hooftman**,
Managing Director Lanxess Belgium

Subscription fee

Students: Free

Industry members: 800 euro

www.essenscia.be

The course is limited to 20 participants, both PhD students and postdocs to promote hands-on knowledge transfer, as professionals from the chemical and life sciences industry.

DAY TO DAY OVERVIEW OF THE PROGRAMME :

DAY 01

**MONDAY 25 MARCH 2024 | 08.00 – 17.00**

Safety in the R&D laboratory

**Introduction****Geert Boogaerts**, Director Safety & Sustainability, essenscia

Overview of the program and the importance of an integrated safety approach

**Safety of chemical molecules****Wim Dermaut**, R&D Manager Chemical Process Development, Agfa Materials

Integrated safety in a laboratory environment

**Chemical product safety****Tine Cattoor**, Director Product Policy, essenscia

Product safety & REACH applied in an R&D environment

Venue NH Gent Belfort Hotel, Hoogpoort 63, 9000 Gent

DAY 02

**TUESDAY 26 MARCH 2024 | 08.00 – 17.00**

Safety in pilot installations

In-depth explanation of the safety processes and specific safety features in existing pilot installations.

10.00 – 15.00

Process safety in a state of the art API pilot plant.

Venue

Johnson & Johnson, Janssen Pharmaceuticaaan 3, 2440 Geel

DAY 03

**WEDNESDAY 27 MARCH 2024 | 10.00 – 15.00**

From idea to industry: BlueChem incubator for sustainable chemistry

Innovation strategy of the chemical & life sciences industry

BlueChem – incubator of the chemical & life sciences industry in Antwerp

Welcome

**European Chemical Innovation Strategy****Tine Schaerlaekens**, Managing Director Catalisti

Presentation: from idea to start-up at BlueChem – on-site

Lunch

Demonstration of the actual start-ups at BlueChem – on-site

Reception

Venue Bluechem incubator, Olieweg 95, 2020 Antwerpen

SUBSCRIPTION FILE

The essenscia Process Safety Academy and the essenscia Chair Safety Engineering organize a 3 day Specialized Course on Integrated Safety: From Idea to Pilot Installation

PARTICIPANT

FIRST NAME

LAST NAME

EMAIL

COMPANY

FUNCTION

Member of Process Safety Academy

Member of essenscia

Student

THE INVOICE OF €800

THE TRAINING IS FREE OF CHARGE FOR STUDENTS (TOTAL REGISTRATION FEE, EXCL. VAT) CAN BE SENT TO

COMPANY

STREET AND NUMBER

POSTAL CODE AND CITY

V.A.T.

PURCHASE ORDER

SIGNATURE OF THE PARTICIPANT

To be sent by mail

to **Ms. Michèle Celis** (mcelis@essenscia.be)

For additional information please feel free to contact

Mr. Geert Boogaerts (+32 476 906 663 | gboogaerts@essenscia.be) or

Ms. Michèle Celis (mcelis@essenscia.be).



where chemistry meets life sciences



POWERED BY ESSENCIA